

# The Complete Technology Book on Pulp & Paper Industries

**Author:** NIIR Board of Consultants and Engineers

**Format:** Paperback

**ISBN:** 8178330431

**Code:** NI105

**Pages:** 602

**Price:** Rs. 1,100.00 US\$ 125.00

**Publisher:** Asia Pacific Business Press Inc.

Usually ships within **3** days

The pulp and paper industry continues to expand at a phenomenal rate and it has an important role to play on the Indian economy. This imposes a difficult problem of selection. Since the amount of material that can be included in a single volume is obviously limited. Careful thought has been given to the selection with the purpose of presenting that material which will be of the greatest interest to the greatest numbers. Paper is one of the major components of urban solid waste (household and commercial waste) and has a potential resource value when collected and reused. Recycling of the waste paper has been a practice that has prevailed in the paper industry since its inception and therefore continues. The preservation of forests and increasing environmental awareness has focussed research on exploration of new fibrous resources and less toxic pulping and bleaching processes. The use of non woody already account for 9.1% of total world papermaking capacity. A variety of non woody plant fibres are used for papermaking. Paper converting refers to the processing of raw paper to produce improved grade of paper or a finished paper article. There are two types of paper converting; wet converting and dry converting. The Indian paper industry has close linkages with economic growth as higher industrial output leads to increased demand for industrial paper for packaging, increased marketing spend benefits the newsprint and value added segments, and increased education and office activities increase demand for writing and printing paper. It is estimated that there is an economic growth of 8.5% for India which will benefit the demand for paper.

This book basically comprises of bio refiner mechanical pulping of bast type fibres, use of trichromatic colourimetry for measurement of brightness and yellowness of bleached pulps, finishing and converting, coating equipment, chemical and additives in papermaking, mixed pulping of jute stick and other agricultural residues etc. This book also comprises of the list of manufacturers, suppliers of plant & machinery and allied products, list of manufacturers and suppliers of raw materials, imported pulp manufacturers & suppliers imported pulp, Indian agents for imported pulp etc.

This informative book will be helpful for paper technologist, paper chemists and scientists related to paper field.

## Contents

1. Bio-Refiner Mechanical Pulping of Bast Type Fibers.
2. Use of trichromatic Colourimetry for measurement of brightness and yellowness of bleached pulps
3. Finishing and converting
4. Coating Equipment
5. Chemical and Additives in Papermaking
6. Mixed Pulping of Jute-Stick and other Agricultural Residues

7. Continuous Digester
8. Coated Papers
9. Sulfite Pulping
10. Paper Machine-Head Boxes And Inlets
11. Paper Testing
12. Writing and printing papers from rice straw
13. Aging of Paper
14. Cylinder Paper Machines
15. Effective Utilisation of Optical Whitening Agents
16. Recycling of Waste Paper
17. Kenaf - a substituent for conventional fibrous raw materials
18. Recycling of Waste paper By Flotation Deinking Technology
19. Chemical pulp from Corchorus (jute)
20. Paper Making Potentiality of arecanut husk
21. Pulp from Boswellia serrate (salai chips)
22. Paper and Paper boards from Sikkimensis Grass (Cymbopogon Flexuosus)
23. Pulping of Tropical Pines for Warapping, Writing and Printing Papers
24. Paper and Paper boards from Sikkimensis Grass (Cymbopogon Flexuosus)
25. Paper and Paper boards from Sikkimensis Grass (Cymbopogon Flexuosus)
26. Jute root cutting as raw material for more paper
27. Rosin Size in Paper Industry
28. In-plane Hygroexpansivity of Postage Stamp Papers
29. Bleaching of Rice Straw Pulp
30. Paper Making Fibres
31. Effect of Delignification Conditions on S/V Ratio (of Eucalyptus Grandis Lignin)
32. Manufacturers, Suppliers of Plant & Machinery and Allied Products
33. Manufacturers and Suppliers of Raw Materials
34. Imported Pulp Manufacturers & Suppliers Imported Pulp
35. Indian Agents for Imported Pulp
36. Addresses of Machinery Suppliers
37. Suppliers of Chemicals

## About NIIR

**NIIR PROJECT CONSULTANCY SERVICES (NPCS)** is a reliable name in the industrial world for offering integrated technical consultancy services. NPCS is manned by engineers, planners, specialists, financial experts, economic analysts and design specialists with extensive experience in the related industries.

Our various services are: Detailed Project Report, Business Plan for Manufacturing Plant, Start-up Ideas, Business Ideas for Entrepreneurs, Start up Business Opportunities, entrepreneurship projects, Successful Business Plan, Industry Trends, Market Research, Manufacturing Process, Machinery, Raw Materials, project report, Cost and Revenue, Pre-feasibility study for Profitable Manufacturing Business, Project Identification, Project Feasibility and Market Study, Identification of Profitable Industrial Project Opportunities, Business Opportunities, Investment Opportunities for Most Profitable Business in India, Manufacturing Business Ideas, Preparation of Project Profile, Pre-Investment and Pre-Feasibility Study, Market Research Study, Preparation of Techno-Economic Feasibility Report, Identification and Section of Plant, Process, Equipment, General Guidance, Startup Help, Technical and Commercial Counseling for setting up new industrial project and Most Profitable Small Scale Business.

NPCS also publishes various process technology, technical, reference, self employment and startup books, directory, business and industry database, bankable detailed project report, market research report on various industries, small scale industry and profit making business. Besides being used by manufacturers, industrialists and entrepreneurs, our publications are also used by professionals including project engineers, information services bureau, consultants and project consultancy firms as one of the input in their research.

